

[57] Abstract

The present invention concerns a method and system for dividing the transmission bandwidth into data-transferring subchannels of desired bandwidths and carrier locations in modems based on multicarrier modulation technique, in which method the transmission bandwidth is divided into at least three subchannels (2) when both transmission directions are taken into account.

According to the invention, the bandwidth of said subchannels (2) at frequency ranges (5) affected at the highest probability by RF interference emissions at frequencies (4) not known *a priori* is set narrower than the bandwidth of other subchannels (2) and the number of said narrower-bandwidth subchannels is not set smaller than two when both transmission directions are taken into account.

(Fig. 5)